

100/6939

FORM PTO-1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. DENSE-052A

SERIAL NO. 10/016,939

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT Glen E. Roeters, et al

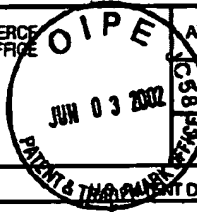
(37 CFR 1.98(b))

(Use several sheets if necessary)

FILING DATE December 14, 2001

GROUP 1376

2829



EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
OK	3 7 2 3 9 7 7	03-27-1973	Schufale			
	3 7 4 6 9 3 4	07-17-1973	Stein			
	4 3 7 1 9 1 2	02-1-1983	Guzik			
	4 6 3 8 3 4 8	01-20-1987	Brown et al			
	4 7 6 1 6 8 1	09-02-1988	Field			
	4 8 4 1 3 5 5	01-20-1989	Parls			
	4 8 5 1 6 9 5	06-25-1989	Stein, Karl-Ulrich			
	4 8 6 8 7 1 2	09-19-1989	Woodman			
	4 9 5 6 6 9 4	09-11-1990	Elde			
	5 1 1 7 2 8 2	05-26-1992	Salatino			
	5 1 2 8 8 3 1	06-07-1992	Fox, III et al			
	5 1 9 8 8 8 6	03-30-1993	Sugano et al			

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N/B 06/20/06

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

EXAMINER

DATE CONSIDERED

3/3/05

EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Atty: KJ M. Sestina
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FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DENSE-052A	SERIAL NO. 10/016,939
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Glen E. Roeters, et al.	
(37 DFR 1.98(b))	(Use several sheets if necessary)	FILING DATE December 14, 2001	GROUP 175

PATENT DOCUMENTS

[illegible]

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

PATENT FROM CHINA OFFICE OF PATENT														TRANSLATION	
		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	YES	NO	
0155		6	-	7	7	6	4	4	03/1994	Japan		1177	X		
		4	2	0	9	5	6	2	07/1992	Japan		1177		X	
		2	2	3	9	6	5	1	09/1990	Japan		1177		X	
		5	6	8	8	3	2	4	07/1981	Japan		1177	X		
6	0	1	9	4	5	1	8	10	1985	Japan		1177	X		

OTHER DOCUMENTS (including Author, Title, Date**, Relevant Pages, Place of Publication***)

		ANONYMOUS, Organic Card Device Carrier, Research Disclosure, May 1990, Number 313 ✓
AH		"Megabyte per cubic Inch," Defense Science, May 1988, p. 56 ✓
		"Three Dimensional Packaging," Defense Science, May 1988, p. 65 ✓
AH		Robert Amunroe, "Ball Grid Array Technology," EDN Products Edition, Jan 1997, pp. 23-24 ✓

EXAMINER

DATE CONSIDERED

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EDS1448.PTD

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PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4

of

13

Complete If Known	
Application Number	10/016,939
Filing Date	December 14, 2001
First Named Inventor	Glen E. Roeters
Art Unit	2829
Examiner Name	David A. Zarneke
Attorney Docket Number	DPAC-052A / AK 155574

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DAZ		US-5,817,709	6/29/1999	Johnson, et al.	
		US-5,895,970	4/20/1999	Miyoshi, et al.	
		US-5,841,721	11/24/1998	Kwon, et al.	
		US-5,805,422	9/8/1998	Otake, et al.	
		US-5,804,870	9/8/1998	Burns	
		US-5,801,439	9/1/1998	Fujisawa, et al.	
		US-5,789,815	8/4/1998	Tessier, et al.	
		US-5,783,464	7/21/1998	Burns	
		US-5,778,552 ⁵²²	7/14/1998	Burns	
		US-5,776,797	7/7/1998	Nicewarner, Jr., et al.	
		US-5,784,497	6/9/1998	Mizuno, et al.	
		US-5,763,296	6/9/1998	Cesati, et al.	
		US-5,729,894	3/24/1998	Rostoker, et al.	
		US-5,657,537	8/19/1997	Sala, et al.	
		US-5,642,055	6/24/1997	Difrancesco	
		US-5,588,205	12/31/1996	Roane	
		US-5,523,695	6/4/1996	Lin	
		US-5,502,333	3/26/1996	Bertin, et al.	
		US-5,477,082	12/19/1995	Buckley III, et al.	
		US-5,438,224	8/1/1995	Papageorge, et al.	

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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ² -Number ³ -Kind Code ⁴ (if known)			

Examiner Signature	/David Zarneke/	Date Considered	05/18/2006
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This collection of information is required by 37 CFR 1.97 and 1.99. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1448/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
Application Number				10/016,939	
Filing Date				December 14, 2001	
First Named Inventor				Glan E. Roeters	
Art Unit				2829	
Examiner Name				David A. Zameke	
Attorney Docket Number				DPAC-052A / AK 155574	
Sheet	8	of	13		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DAZ		US-6,313,998	11/6/2001	Kledzik	
		US-6,303,981	10/16/2001	Moden	
		US-6,097,087	8/1/2000	Farnworth, et al.	
		US-6,028,352	2/22/2000	Eide.	
		US-5,925,934	7/20/1999	Lim	
		US-5,835,988	11/10/1998	Ishii	
		US-5,778,522 A	7/14/1998	Bums	
		US-5,744,827	4/28/1998	Jeong, et al.	
		US-5,677,569	10/14/1997	Choi, et al.	
		US-5,375,041	12/20/1994	McMahon	
		US-5,259,770	11/9/1993	Bates, et al.	
		US-5,243,133	9/7/1993	Engle, et al.	
		US-5,240,588	8/3/1993	Uchida	
		US-5,219,794	6/15/1993	Satoh, et al.	
		US-5,158,812	10/27/1992	Kelleman, et al.	
		US-5,122,862	6/16/1992	Kajihara, et al.	
		US-5,081,067	11/4/1992	Shimm, et al.	
		US-5,064,762	11/12/1991	Nishiguchi	
		US-4,839,717	6/13/1989	Phy, et al.	
DAZ		US-4,758,875	7/19/1988	Fujisawa, et al.	

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Examiner Signature	/David Zarneke/	Date Considered	05/18/2006
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				Filing Date	December 14, 2001
				First Named Inventor	Glen E. Roeters
				Art Unit	2829
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Sheet	9	of	13		

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		Number-Kind Code ² (if known)	MM-DD-YYYY			
DAZ		US-4,722,691	2/2/1988	Gladd, et al.		
		US-4,696,525	9/29/1987	Coller, et al.		
		US-4,079,511	3/21/1978	Grabbe		
		US-3,411,122	11/12/1968	Schiller, et al.		
		US-2005/0040508 A1	2/24/2005	Lee		
		US-2005/0035440 A1	2/17/2005	Mohammed		
		US-2004/0245617 A1	12/9/2004	Damberg, et al.		
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		US-2004/0203190 A1	10/14/2004	Pfughaupt, et al.		
		US-2004/0150107 A1	8/5/2004	Cha, et al.		
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		US-2003/0107118 A1	6/12/2003	Pfughaupt, et al.		
		US-2001/0013423 A1	8/21/2001	Dalal, et al.	08/16/2001	
		US-Re 36,916	10/17/2000	Moshayedi		
		US-6,707,884 B1	3/16/2004	Andric, et al.		
		US-6,492,718 B2	12/10/2002	Ohmori		
		US-6,446,158 B1	9/3/2002	Karabatsos		
DAZ		US-6,392,162 B1	5/21/2002	Karabatsos		

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06/20/06

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Examiner Signature	/David Zarneke/	Date Considered	05/18/2006
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